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(21)Application number : 58-195177 (71)Applicant : NIPPON TELEGR & TELEPH
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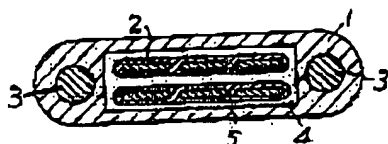
(54) FLAT OPTICAL CABLE

(57)Abstract:

PURPOSE: To improve productivity and to improve operability by forming a ribbon unit of multicore optical fibers arrayed in parallel and united together with ultraviolet-ray setting resin, etc., and assembling plural ribbon units flatly in one body with ultraviolet-ray setting resin, etc.

CONSTITUTION: The ribbon unit 2 is formed by bundling 5- or 10-core optical fibers in a tape shape has a 50W100kg/mm² Young's modulus and is covered thickly with ultraviolet-ray setting resin having a 50W100kg/mm² Young's modulus to an about tens of μ m thickness, and two ribbon unit

assemblies each consisting of three ribbon units 2 are stacked and stored loosely in the rectangular space formed in a cable sheath 1. The assembly coating 5 of the



ribbon unit assembly uses the ultraviolet-ray setting resin having the smaller Young's modulus (e.g. $\leq 10\text{kg/mm}^2$) than the ribbon unit coating, so the ribbon units are separated easily from each other when necessary and the operability is improved.

LEGAL STATUS

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